

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A financial product pricing system, comprising:
a computing processor;
computing memory communicatively coupled to the computing processor, the
computing memory comprising executable instructions that, when executed by the system,
cause the system to perform operations comprising:
transmitting for display a first user interface;
receiving into the computing system via the first user
interface data that identify and describe the product, the data
comprising: contextual data of the product, the contextual data
indicating market variables involved in product pricing and
used for selecting a market hypothesis for pricing the product,
the contextual data comprising at least one valuation currency
and at least one underlying instrument; and characteristic data
of the product comprising a plurality of future financial flows
associated with the product, the plurality of future financial
flows defined using at least one numerical equation,
wherein receiving via the first user interface data that
identify and describe the product comprises:
receiving in a first portion of the first user
interface user inputs specifying a first term associated
with the product and a first definition for the first term
comprising a first numeric value;
receiving in the first portion of the first user
interface user inputs specifying a second term
associated with the product and a second definition for
the second term comprising a second numeric value and
a reference to the first term;
receiving in a second portion of the first user
interface user inputs specifying a first financial flow
associated with the product, the first financial flow
specified with a start date for the first financial flow, a
frequency of the first financial flow, and a description
of the first financial flow defined using a numerical
equation and at least one of the first term and the second
term; and
receiving in the second portion of the first user
interface user inputs specifying a second financial flow
associated with the product, the second financial flow
specified with a start date for the second financial flow,
a frequency of the second financial flow, and a

description of the second financial flow defined using a numerical equation and the first financial flow;
in the computing system generating a planned schedule from the received data that identify and describe the product, the planned schedule comprising for each of a plurality of future dates a financial flow associated with the product and defined using at least in part one of the first financial flow and the second financial flow;
transmitting for display a second user interface, the second user interface comprising a listing of the plurality of future dates and for each future date a financial flow associated with the product and defined using at least in part one of the first financial flow and the second financial flow;
in the system, storing in a first table information identifying the plurality of future dates and for each future date a financial flow defined using at least in part one of the first financial flow and the second financial flow;
in the computing system interpreting the schedule in order to identify product variables for the product on the basis of at least one of a first financial flow and a second, and for each date of the planned schedule, a function for calculating a price associated with the product as a function of at least one of the product variables;
in the system, storing in a second table information identifying for each date of the planned schedule, a function for calculating a price associated with the product;
in the system, storing in a third table the identified product variables;
in the computing system receiving market variables associated with the product and generated by a market analysis, the market variables identified for each of the plurality of dates on the schedule;
in the system, storing in a fourth table the received market values associated with the product;
in the computing system calculating using the market variables, for each of a plurality of market scenarios and for each of the plurality of dates on the schedule, product variable values; and
in the computing system calculating a product price as a function of the calculated product variable values.

~~a computer interface for receiving into the system data that identify and describe the product, the data comprising: contextual data of the product, the contextual data indicating market variables involved in product pricing and used for selecting a market hypothesis for~~

~~pricing the product, the contextual data comprising at least one valuation currency and at least one underlying instrument; and characteristic data of the product comprising a plurality of future financial flows associated with the product, the plurality of future financial flows defined using at least one numerical equation;~~

~~a data processor adapted for:~~

~~generating a planned schedule from the data that identify and describe the product, the planned schedule comprising for each of a plurality of future dates financial flow associated with the product and defined using at least in part the at least one numerical equation;~~

~~transmitting for display a user interface, the user interface comprising a listing of dates and for each date a financial flow associated with the product and defined using at least in part the at least one numerical equation;~~

~~interpreting the schedule, in order to identify product variables on the basis of at least one of the plurality of financial flows, and for each date of the planned schedule, a function for calculating a price associated with the product as a function of at least one of the product variables;~~

~~receiving market variables associated with the product and generated by a market analysis, the market variables identified for each of the plurality of dates on the schedule~~

~~calculating using the market variables, for each of a plurality of market scenarios and for each of the plurality of dates on the schedule, product variable values; and~~

~~calculating a product price as a function of the calculated product variable values.~~

2. (Currently Amended) A system according to claim 1, the computing memory further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for generating a compact script containing all the data needed for product pricing.

3. (Previously Presented) A system according to claim 2, the computing memory

further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for inputting these the data in compact script form.

4. (Currently Amended) A system according to claim 1, the computing memory further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for presenting acquisition windows, into which the contextual data and characteristic data can be entered separately.

5. (Currently Amended) A system according to claim 1, the computing memory further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for checking the interpretation of the schedule.

6. (Currently Amended) A system according to claim 1, the computing memory further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for:

calculating, for each of the market scenarios and for each of the dates, the value of each of the market variables;

calculating, for each of the market scenario and for each of the dates, the product variable values as a function of the market variable values; and

calculating the price as a function of the product variable values in all the market scenarios.

7. (Currently Amended) A system according to claim 6, the computing memory further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for storing the market variable values in the form of tables (Tvvm).

8. (Currently Amended) A system according to claim 1, the computing memory

further comprising executable instructions that, when executed by the system, cause the system to perform operations comprising: wherein the data processor is adapted for storing, in the form of tables, the schedule (T1), the calculation functions (T2), the product variables (T3), the market variables (T4), and the product variable values (Tvp).

9. (Currently Amended) A method implemented on a computing system for pricing a financial product, comprising:

transmitting for display a first user interface;

receiving into the computing system via the first user interface data that identify and describe the product, the data comprising: contextual data of the product, the contextual data indicating market variables involved in product pricing and used for selecting a market hypothesis for pricing the product, the contextual data comprising at least one valuation currency and at least one underlying instrument; and characteristic data of the product comprising a plurality of future financial flows associated with the product, the plurality of future financial flows defined using at least one numerical equation,

wherein receiving via the first user interface data that identify and describe the product comprises:

receiving in a first portion of the first user interface user inputs specifying a first term associated with the product and a first definition for the first term comprising a first numeric value;

receiving in the first portion of the first user interface user inputs specifying a second term associated with the product and a second definition for the second term comprising a second numeric value and a reference to the first term;

receiving in a second portion of the first user interface user inputs specifying a first financial flow associated with the product, the first financial flow specified with a start date for the first financial flow, a frequency of the first financial flow, and a description of the first financial flow defined using a numerical equation and at least one of the first term and the second term; and

receiving in the second portion of the first user interface user inputs specifying a second financial flow associated with the product, the second financial flow specified with a start date for the second financial flow, a frequency of the second

financial flow, and a description of the second financial flow defined using a numerical equation and the first financial flow;

in the computing system generating a planned schedule from the received data that identify and describe the product, the planned schedule comprising for each of a plurality of future dates a financial flow associated with the product and defined using at least in part one of the first financial flow and the second financial flow ~~the at least one numerical equation;~~

transmitting for display a second user interface, the second user interface comprising a listing of the plurality of future dates and for each future date a financial flow associated with the product and defined using at least in part one of the first financial flow and the second financial flow ~~the at least one numerical equation;~~

in the system, storing in a first table information identifying the plurality of future dates and for each future date a financial flow defined using at least in part one of the first financial flow and the second financial flow;

in the computing system interpreting the schedule[[,]] in order to identify product variables for the product on the basis of at least one of a first financial flow and a second financial flow ~~the plurality of future financial flows~~, and for each date of the planned schedule, a function for calculating a price associated with the product as a function of at least one of the product variables;

in the system, storing in a second table information identifying for each date of the planned schedule, a function for calculating a price associated with the product;

in the system, storing in a third table the identified product variables;

in the computing system receiving market variables associated with the product and generated by a market analysis, the market variables identified for each of the plurality of dates on the schedule; ~~and~~

in the system, storing in a fourth table the received market values associated with the product;

in the computing system calculating using the market variables, for each of a plurality of market scenarios and for each of the plurality of dates on the schedule, product variable values; and

in the computing system calculating a product price as a function of the calculated product variable values.

10. (Previously Presented) The method of claim 9, further comprising in the computer system generating a compact script containing all the data needed for product pricing.

11. (Previously Presented) The method of claim 10, further comprising in the computing system inputting data needed for product pricing in compact script form.

12. (Previously Presented) The method of claim 9, further comprising at the computing system presenting acquisition windows into which the contextual data and characteristic data can be entered separately.

13. (Previously Presented) The method of 9, further comprising in the computing system checking the interpretation of the schedule.

14. (Previously Presented) The method of claim 9, further comprising in the computing system:

calculating, for each of the market scenarios and for each of the dates, the value of each of the market variables;

calculating, for each of the market scenarios and for each of the dates, the product variable values as a function of the market variable values; and

calculating the price as a function of the product variable values in all the market scenarios.

15. (Previously Presented) The method of claim 14, further comprising in the computing system storing the market variable values in the form of tables (T_{vvm}).

16. (Previously Presented) The method of claim 9, further comprising in the computing system storing, in the form of tables, the schedule (T₁), the calculation functions (T₂), the product variables (T₃), the market variables (T₄), and the product variable values (T_{vp}).

17. (Currently Amended) A method implemented on a computing system for pricing a financial product, comprising:

displaying a first user interface on the computing system, the first user interface adapted to receive data that identify and describe the product, the data comprising: contextual data of the product, the contextual data indicating market variables involved in product pricing and used for selecting a market hypothesis for pricing the product, the contextual data comprising at least one valuation currency and at least one underlying instrument; and characteristic data of the product comprising a plurality of future financial flows associated with the product, the plurality of future financial flows defined using at least one numerical equation;

receiving at the computing system via the first user interface contextual data of the product and characteristic data of the product, ~~the receiving comprising: the characteristic data comprising at least one numerical equation that is employed in determining a future value of a financial flow;~~

receiving in a first portion of the first user interface user inputs specifying a first term associated with the product and a first definition for the first term comprising a first numeric value;

receiving in the first portion of the first user interface user inputs specifying a second term associated with the product and a second definition for the second term comprising a second numeric value and a reference to the first term;

receiving in a second portion of the first user interface user inputs specifying a first financial flow associated with the product, the first financial flow specified with a start date for the first financial flow, a frequency of the first financial flow, and a description of the first financial flow defined using a numerical equation and at least one of the first term and the second term; and

receiving in the second portion of the first user interface user inputs specifying a second financial flow associated with the product, the second financial flow specified with a start date for the second financial flow, a

frequency of the second financial flow, and a description of the second financial flow defined using a numerical equation and the first financial flow;
~~displaying a second user interface on the computing system, the second user interface comprising a listing of dates and for each date a product flow defined using at least in part the at least one numerical equation;~~

in the system generating a planned schedule from the received data that identify and describe the product, the planned schedule comprising for each of a plurality of future dates a financial flow associated with the product and defined using at least in part one of the first financial flow and the second financial flow ~~the at least one numerical equation;~~

displaying a second user interface on the computing system, the second user interface comprising a listing of the plurality of future dates and for each future date a product flow defined using at least in part one of the first financial flow and the second financial flow;

in the system, storing in a first table information identifying the plurality of future dates and for each of the plurality of future dates a financial flow defined using at least in part one of the first financial flow and the second financial flow ~~at least one of a financial event or financial flow relating to the product;~~

in the system interpreting the schedule, in order to identify:

variables for the product on the basis of at least one of a financial flow
~~the plurality of future financial flows,~~ and

for each date of the planned schedule, a function for calculating a price associated with the product as a function of at least one of the product variables;

in the system, storing in a second table information identifying for each date of the planned schedule, the function for calculating a price associated with the product;

in the system, storing in a third table information identifying the variables for the product;

in the system receiving market variables associated with the product and generated by a market analysis, the market variables identified for each of the plurality of dates on the schedule;

in the system, storing in a fourth table the market variables associated with the product and generated by a market analysis;

in the system calculating using the market variables, for each of a plurality of market scenarios and for each of the plurality of dates on the schedule, product variable values;
in the system, storing in a fifth table the product variable values; and
in the system calculating a product price as a function of the calculated product variable values.

18. (Previously Presented) The method of claim 17, wherein the receiving market variables associated with the product and generated by a market analysis comprises receiving at least the following: a spot, an exchange rate, an interest rate, and information on counterparty default.